

Special Issue

New Advances in Cold Atmospheric Plasma Technologies

Message from the Guest Editors

Cold atmospheric plasma (CAP) is a promising and rapidly emerging technology for a wide range of applications from daily life to industry. Its key advantage is its unique ability to effectively deliver reactive species to subjects including biological materials, liquid media, aerosols, and manufactured surfaces. It has been widely applied in agriculture, medicine, the environment, materials, catalysis, and energy. The mechanisms of generation and transport of the key reactive species between plasma and its application objects need to be urgently explored. In this context, this Special Issue aims to collect scientific contributions related to the plasma development of novel technologies, fresh ideas/concepts/mechanisms, expanded multidisciplinary studies, and new applications. Research and review papers are welcomed. Suitable topics include, but are not limited to, the following:

- Biomedical applications and mechanisms;
- Plasma technologies for agriculture;
- Environmental applications;
- Surface modification;
- Plasma catalysis;
- Plasma for energy applications.

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